

## **ABSTRACT**

A method is for producing an antiscatter grid or collimator for a radiation type, which is formed from a base body of predeterminable geometry having transmission channels for primary radiation of the radiation type which extend between two opposite surfaces of the base body. In the method, the base body is constructed by use of a rapid prototyping technique by layer-wise solidification of a structural material, which is substantially transmissive to the radiation type, under the action of radiation. Inner surfaces of the base body in the transmission channels are coated with a material, which strongly absorbs the radiation type, up to a layer thickness which suffices to virtually completely absorb incident secondary radiation of the radiation type. The opposite surfaces of the base body are not coated, or are aftertreated in such a way that they do not bear a coating or bear a coating of greatly reduced layer thickness made from the material strongly absorbing the radiation type. The method permits the simple production of an antiscatter grid or collimator with high primary beam transparency.